

We claim:

1. A thin polymer film between about 0.2 and 20 mils thick and preferably between 1 and 6 mils thick comprising:
one or a blend of polymeric resins having opposed first and second outer
5 surfaces.

2. A thin polymer film between about 0.2 and 20 mils thick and preferably between 1 and 6 mils comprising:
one or a blend of non-polyolefin resins including but not restricted to any of
polyamide 6, polyamide 6,6, or polyester terephthalate resins, having
10 opposed first and second surfaces.

3. A thin monolayer polyolefin film between about 0.2 and 20 mils thick and preferably 1 to 6 mils thick comprising:
one or a blend of polyolefins, including but not restricted to any of LLDPE,
LDPE, EVA, POP, mLL, HDPE, polypropylene, or EVOH resins, having
15 opposed first and second outer surfaces.

4. A thin monolayer film according to claim 1, further comprising:
between 25 ppm and 5000 ppm and preferably between 100 ppm to 1000
ppm of a primary amide of general structure $R-CO-NH_2$ and between 25
ppm and 5000 ppm and preferably between 100 ppm to 1000 ppm of a
20 secondary primary amide or blend of secondary amides of general structure
 $R-CO-NH-R'$ where the R and R' can include any of erucic, oleic, palmitic,
behemic, capric, lauric or stearic functional groups of between 9 to 30
carbon atoms, such that the ratio of primary amide to secondary amide is
between about 1:1 and 1:3.

25 5. The monolayer film of claim 1 wherein the migratory additive is
the primary amide erucamide.

6. A monolayer film according to claim 1 wherein the migratory additive is a blend of secondary amides about 1 part oleic palmitamide and 1 part stearyl erucamide.

7. A thin, multi-layer polyolefin film comprising:

5 between 2 and 9 layers, with a combined thickness between about 0.2 and 20 mils thick and preferably between 1 and 6 mils thick, and having opposed first and second outer surfaces, with the first outer layer composed of one or a blend of polyolefin(s), and a second outer layer composed of one or a blend of polyolefin(s).

10 8. The thin multi-layer film according to claim 7, further comprising additional functional layers including any of various polyolefin or other thermo plastic resins as additional inner layers.

9. A thin multi-layer polyolefin film according to claim 7, further comprising:

15 a layer containing between 100 ppm and 5000 ppm and preferably 100 ppm to 1000 ppm of a primary amide of general structure $R-CO-NH_2$, and between 100 ppm and 5000 ppm and preferably 100 ppm to 1000 ppm of a secondary primary amide or blend of secondary amides of general structure $R-CO-NH-R'$, wherein the R and R' can include any of erucic,
20 oleic, palmitic, behemic, capric, lauric or stearic functional groups of between 9 to 30 carbon atoms, such that the ratio of primary amide to secondary amide is between 1:1 and 1:3.

10. A thin multi-layer film according to claim 7, wherein the migratory additive is the primary amide erucamide 11. A thin multi-layer
25 film according to claim 7, wherein the migratory additive is a blend of secondary amides comprising about 1 part oleic palmitamide and 1 part stearyl erucamide

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12. The film of claim 1 wherein the film composite may be printed in a decorative manner.

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~~13.~~ 13. A film according to claim 1 wherein the film is joined to a secondary film by adhesives, extruded polymer or by thermal bonding, and the secondary film may be composed of any of a polyolefin, Nylon or polyester film or multiple layers of other films.